

Publications

Revised May, 2020

1. Akheratic, A., He, Y., **Coggon, M.M.**, Koss, A., Hodshire, A., Sekimoto, K., Warneke, C., de Gouw, J., Yee, L., Seinfeld, J., Onasch, T., Herndon, S., Knighton, W., Cappa, C., Kleeman, M., Lim, C., Kroll, J.H., Pierce, J., Jathar, S. (2020). Oxygenated aromatic compounds are important precursors of secondary organic aerosol in biomass burning emissions. *Environ. Sci. Technol.*, in review.
2. Roberts, J.M., Stockwell, C.E., Yokelson, R.J., de Gouw, J., Liu, Y., Selimovic, V., Koss, A.R., Sekimoto, K., **Coggon, M.M.**, Yuan, B., Zarzana, K.J., Brown, S.S., Santin, S., Doerr, S.H., Warneke, C. (2020). The nitrogen budget of laboratory-simulated western U.S. wildfires during the FIREX 2016 Firelab study. *Atmos. Chem. Phys. Discuss.*, in review.
3. Cappa, C.D., Lim, C.Y., Hagan, D.H., **Coggon, M.M.**, Koss, A.R., Sekimoto, K., de Gouw, J., Onasch, T.B., Warneke, C., Kross., J.H. (2020). Biomass-burning-derived particles from a wide variety of fuels: Part 2: Effects of photochemical aging on particle optical and chemical properties. *Atmos. Chem. Phys. Discs.*, in review.
4. Shah, R.U., **Coggon, M.M.**, Gkatzelis, G.I., McDonald, B.C., Tasoglou, A., Huber, H., Gilman, J., Warneke, C., Robinson, A.L., Presto, A.A. (2019). Urban oxidation flow reactor measurements reveal significant secondary organic aerosol contributions from volatile emissions of emerging importance, *Environ. Sci. Technol.*, 54 (2), 714-725, DOI:10.1021/acs.est.9b06531.
5. Mardi, A.H., Dadashazar, D., MacDonald, A.B., Crosbie, E., **Coggon, M.M.**, Aghdam, M.A., Woods, R.K., Jonsson, H.H., Flagan, R.C., Seinfeld, J.H., and Sorooshian, A. (2019). Effects of Biomass Burning on Stratocumulus Droplet Characteristics, Drizzle Rate, and Composition, *J. Geophys. Res.*, 124, DOI:10.1029/2019JD031159.
6. **Coggon, M.M.**, Lim, C., Koss, A.R., Sekimoto, K., Yuann, B. Gilman, J.B., Hagan, D.H., Selimovic, V., Zarzana, K.J., Brown, S.S., Roberts, J.M., Muller, M., Yokelson, R., Wisthaler, A., Krechmar, J., Jimenes, J., Cappa, C., Kroll, J., de Gouw, J., and Warneke, C. (2019). OH chemistry of non-methane organic gases (NMOGs) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation, *Atmos. Chem. Phys.*, 19, 14875-14899, DOI:10.5194/acp-19-14875-2019.
7. Lim, C., Hagan, D., Cappa, C., **Coggon, M.M.**, Koss, A., Sekimoto, K., de Gouw, J., Warneke, C., and Kroll, J. (2019). Secondary organic aerosol formation from biomass burning emissions, *Atmos. Chem. Phys.*, 19, 12797-12809, DOI:10.5194/acp-19-12797-2019.
8. Juliano, T.W., **Coggon, M.M.**, Thompson, G., Rahn, D.A., Seinfeld, J.H., Sorooshian, A., and Lebo, Z. (2019). Marine Boundary Layer Clouds Associated with Coastally Trapped Disturbances. Part I: Model Validation and Cloud Water Chemistry Observations. *J. Atmos. Sci.*, 76, 2963–2993, DOI: 10.1175/JAS-D-18-0317.1.
9. Decker, Z., Zarzana, K., **Coggon, M.M.**, Min, K., Pollack, I., Ryerson, T., Peischl, J., Edwards, P., Dube, W., Markovic, M., Roberts, J.M., Veres, P.R., Graus, M., Warneke, C., de Gouw, J.A., Hatch, L., Barsanti, K., and Brown, S.S. (2019). Nighttime aircraft intercepts of biomass burning plumes: observations and box model analysis. *Environ. Sci. Technol.*, 5, 2529-2538. DOI: 10.1021/acs.est.8b05359.
10. Mardi, A.H., Dadashazar, H., McDonald, A., Braun, R., Crosbie, E., Xian, P., Thorsen, T., **Coggon, M.M.**, Fenn, M., Ferrare, R., Hair, J., Woods, R., Jonsson, H., Flagan, R.C., Seinfeld, J.H., and Sorooshian, A. (2018). Biomass burning plumes in the vicinity of the California coast: Airborne characterization of physiochemical properties, heating rates, and spatiotemporal features. *J. Geophys. Res.*, 123. DOI:10.1029/2018JD029134.
11. Zarzana, K.J., Selimovic, V., Koss, A.R., Sekimoto, K., **Coggon, M.M.**, Yuan, B., Dube, W.P., Yokelson, R.J., Warneke, C., de Gouw, J.A., Roberts, J.M., and Brown, S.S. (2018). Primary emissions of glyoxal and methylglyoxal from laboratory measurements of open biomass burning. *Atmos. Chem. Phys.*, 18, 15,451–15,470, DOI:10.5194/acp-18-15451-2018.

12. Sekimoto, K., Koss, A.R., Gilman, J.B., Selimovic, V., **Coggon, M.M.**, Zarazana, K.J., Yuan, B., Lerner, B.M., Brown, S.S., Warneke, C., Yokelson, R.J., Roberts, J.M., and de Gouw, J. (2018). High-and low-temperature pyrolysis profiles describe volatile organic compound emissions from western US wildfire fuels. *Atmos. Chem. Phys.*, 18, 9,263–9,281, DOI:10.5194/acp-18-9263-2018
13. Sorooshian, A., MacDonald, A.B., Dadashazar, H., Bates, K.H., **Coggon, M.M.**, Craven, J.S., Crosbie, E., Hersey, S.P., Hodas, N., Lin, J.J., Negron Marty, A., Maudlin, L.C., Metcalf, A.R., Murphy, S.M., Prabhakar, G., Rissman, T.A., Shingler, T., Varutbangkul, T., Wang, Z., Woods, R.K., Chaung, P.Y., Nenes, A., Jonsson, H.H., Flagan, R.C., and Seinfeld, J.H. (2018). A Multi-Year Data Set on Aerosol-Cloud-Precipitation-Meteorology Interactions for Marine Stratocumulus Clouds. *Scientific Data*, 5 (180026), 1–13, DOI:10.1038/sdata.2018.26.
14. **Coggon, M.M.**, McDonald, B., Vlasenko, A., Veres, P., Bernard, F., Koss, A., Yuan, B., Gilman, J., Peischl, J., Aikin, K., DuRant, J., Warneke, C., Li, S-M., and de Gouw, J.A. (2018). Diurnal variability and emission pattern of decamethylcyclopentasiloxane (D5) from the application of personal care products in two North American cities. *Environ. Sci. Technol.*, 52, 5,610–5,618, DOI:10.1021/acs.est.8b00506 .
15. Koss, A.R., Sekimoto, K., Gilman, J.B., Selimovic, V., **Coggon, M.M.**, Zarzana, K.J., Yuan, B., Lerner, B.M., Brown, S.S., Jimenez, J.L., Krechmer, J., Roberts, J.M., Warneke, C., Yokelson, R.J., and de Gouw, J. (2018). Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment. *Atmos. Chem. Phys.*, 18, 3,299–3,319, DOI:10.5194/acp-18-3299-2018.
16. Yuan, B., Koss, A.R., Warneke, C., **Coggon, M.M.**, Sekimoto, K., and de Gouw, J.A. (2017). Proton-transfer-reaction mass spectrometry: Applications in atmospheric sciences. *Chem. Rev.*, 117 (12), 13,187–13,229, DOI:10.1021/acs.chemrev.7b00325.
17. Yuan, B., **Coggon, M.M.**, Koss, A.R., Warneke, C., Eilerman, S., Peischl, J., Aikin, K., Ryerson, T.B., and de Gouw, J.A. (2017). Emissions of volatile organic compounds (VOCs) from concentrated animal feeding operations (CAFOs): chemical compositions and separation of sources. *Atmos. Chem. Phys.*, 17, 4,945–4,956, DOI:10.5194/acp-17-4945-2017.
18. Sekimoto, K., Li, S-M., Yuan, B., Koss, A.R., **Coggon, M.M.**, Warneke, C. and de Gouw, J.G. (2017). Calculation of the sensitivity of proton-transfer-reaction mass spectrometry (PTR-MS) for organic trace gases using molecular properties. *Int. J. Mass. Spec.*, 421, 71–94, DOI:10.1016/j.ijms.2017.04.006.
19. *Huang, Y., **Coggon, M.M.**, Zhao, R., Lignell, H., Bauer, M.U., Flagan, R.C., and Seinfeld, J.H. (2017). The Caltech Photooxidation Flow Tube reactor: design, fluid dynamics and characterization. *Atmos. Meas. Tech.*, 10, 839–867, DOI:10.5194/amt-10-839-2017.
20. **Coggon, M.M.**, Veres, P., Yuan, B., Koss, A., Warneke, C., Gilman, J., Lerner, B., Peischl, J., Aikin, K., Stockwell, C., Hatch, L., Ryerson, T., Roberts, J., Yokelson, R., and de Gouw, J. (2016). Emissions of nitrogen-containing organic compounds from the burning of herbaceous and arboraceous biomass: fuel composition dependence and the variability of commonly used nitrile tracers. *Geophys. Res. Lett.*, 43, DOI:10.1002/2016GL070562.
21. Huang, D.D., Zhang, X., Dalleska, N.F., Lignell, H., **Coggon, M.M.**, Chan, C.M., Flagan, R.C., Seinfeld, J.C., and Chan, C.K. (2016) A note on the effects of inorganic seed aerosol on the oxidation state of secondary organic aerosol - α -pinene ozonolysis. *J. Geophys. Res.*, 121, 12,476–12,483, DOI:10.1002/2016JD025999.
22. *Thomas, D.A., **Coggon, M.M.**, Lignell, H., Schilling, K.A., Zhang, X., Schwantes, R., Flagan, R.C., Seinfeld, J.H., and Beuchamp, J.L. (2016). Real-time studies of iron oxalate-mediated oxidation of glycolaldehyde as a model for photochemical aging of aqueous tropospheric aerosols. *Env. Sci. Technol.*, 50 (22), 12,241–12,249, DOI:10.1021/acs.est.6b03588.
23. Krechmer, J.E., **Coggon, M.M.**, Massoli, P., Hu, W., Day, D.A., Henze, D.K., Nowak, J.B., Kimmel, J.R., Mauldin, R.L., Stark, H., Jayne, J.T., Sipila, M., Junninen, H., Nguyen, T.B., Crounse, J.D., St. Clair, J., Zhang, X., Brune, W.H., Wennberg, P.O., Seinfeld, J.H., Worsnop, D.R., and Jimenez, J.L.

- (2015). Formation of low volatility organic compounds and secondary organic aerosol from low-NO isoprene hydroxyhydroperoxide gas-phase oxidation. *Env. Sci. Technol.* 49 (17), 10,330–10,339. DOI: 10.1021/acs.est.5b02031.
24. Schwantes, R.H., Schilling, K.A., McVay, R.C., Lignell, H., **Coggon, M.M.**, Zhang, X., Wennberg, P.O., Seinfeld, J.H. (2016). Formation of highly oxygenated low-volatility products from cresol oxidation. *Atmos. Chem. Phys.*, 17, 3,453–3,474, DOI:10.5194/acp-17-3453-2017.
25. Wang, Z., Mora, M., Dadashazar, H., MacDonald, A., Crosbie, E., Bates, K., **Coggon, M.M.**, Craven, J., Lynch, P., Campbell, J., AzadiAghadam, M., Woods, R., Jonsson, H., Flagan, R., Seinfeld, J., Sorooshian, A. (2016). Contrasting Cloud Composition Between Coupled and Decoupled Marine Boundary Layer Clouds. *J. Geophys. Res.*, 121, DOI:10.1002/2016JD025695.
26. Koss, A.R., Warneke, C., Yuan, B., **Coggon, M.M.**, Veres, P.R., and de Gouw, J.A. (2016). Evaluation of NO^+ reagent ion chemistry for online measurements of atmospheric volatile organic compounds. *Atmos. Meas. Tech.* 9, 2,909-2,925, DOI:10.5194/amt-9-2909-2016.
27. Nguyen, T.B., Tyndall, G.S., Crounse, J.D., Teng, A.P., Bates, K.H., Schwantes, R.H., **Coggon, M.M.**, Zhang, L., Feiner, P., Miller, D.O., Skog, K.M., Rivera-Rios, J.C., Dorris, M., Olsen, K.F., Koss, A., Wild, R.J., Brown, S.S., Goldstein, A.H., de Gouw, J.A., Brune, W.H., Keutsch, F.N., Seinfeld, J.H., and Wennberg, P.O. (2016). Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. *Phys. Chem. Chem. Phys.* 18, 10,241-10,254, DOI:10.1039/C6CP00053C.
28. Crosbie, E., Wang, Z., Sorooshian, A., Chuang, P.Y., Craven, J.S., **Coggon, M.M.**, Brunke, M., Zeng, Xubin, Jonsson, H.H., Woods, R.K., Flagan, R.C., Seinfeld, J.H. (2015). Stratocumulus cloud clearings and notable thermodynamic and aerosol contrasts across the clear-cloudy interface. *Atmos. Sci.*, 73, 1,083–1,099, DOI: 10.1175/JAS-D-15-0137.1.
29. Schwantes, R.H., Teng, A.P., Nguyen, T.B., **Coggon, M.M.**, Crounse, J.D., St. Clair, J.M., Zhang, X., Schilling, K.A., Seinfeld, J.H., Wennberg, P.O. (2015). Isoprene NO_3 oxidation products from $\text{RO}_2 + \text{HO}_2$ pathway. *J. Phys. Chem. A.* 119 (40), 10,158–10,171, DOI:10.1021/acs.jpca.5b06355.
30. Zhang, X., Schwantes, R.H., McVay, R., Lignell, H., **Coggon, M.M.**, Flagan, R.C., Seinfeld, J.H. (2014). Vapor wall deposition in Teflon chambers. *Atmos. Chem. Phys. Discuss.* 14, 26,765-26,802.
31. **Coggon, M.M.**, Sorooshian, A., Wang, Z., Craven, J.S., Metcalf, A.R., Lin, J.J., Nenes, A., Jonsson, H.H., Flagan, R.C., Seinfeld, J.H. (2014). Observations of continental biogenic impacts on marine aerosol and clouds off the coast of California. *J. Geophys. Res.* 119, DOI:10.1002/2013JD021228.
32. Nguyen, T.B., **Coggon, M.M.**, Bates, K.H., Zhang, X., Schwantes, R.H., Schilling, K.A., Loza, C.L., Flagan, R.C., Wennberg, P.O., Seinfeld, J.H. (2014). Organic aerosol formation from the reactive uptake of isoprene epoxydiols (IEPOX) onto non-acidified inorganic seeds. *Atmos. Chem. Phys.*, 14, 3,497-3,510. DOI:10.5194/acp-14-3497-2014.
33. Schilling Fahnestock, K., Yee, L.D., Loza, C.L., **Coggon, M.M.**, Schwantes, R., Zhang, X., Dalleska, N.F., Seinfeld, J.H. (2014). Secondary Organic Aerosol Composition from C_{12} Alkanes. *J. Phys. Chem. A.*. DOI: 10.1021/jp501779w
34. Prabhakar, G., Ervens, B., Wang, Z., Maudlin, L., **Coggon, M.M.**, Jonsson, H.H., Seinfeld, J.H., Sorooshian, A. (2014). Sources of Nitrate in Stratocumulus Cloud Water: Airborne Measurements during the 2011 E-PEACE and 2013 NiCE Studies. *Atmos. Environ.*, 97, 166–173. DOI: 10.1016/j.atmosenv.2014.08.019.
35. Wang, Z., Prabhakar, G., Maudlin, L.C., **Coggon, M.M.**, Jonsson, H.H., Sorooshian, A. (2013) Impact of Emissions from Shipping, Land, and the Ocean on Stratocumulus Cloud Water Elemental Composition During the 2011 E-PEACE Field Campaign. *Atmos. Environ.*, 89, 570–580, DOI: 10.1016/j.atmosenv.2014.01.020.
36. Zhang, X., Schwantes, R., **Coggon, M.M.**, Loza, C., Schilling, K., Flagan, R.C., Seinfeld, J.H. (2013). Role of ozone in SOA formation from alkane photooxidation. *Atmos. Chem. Phys.*, 14, 1,733-1,753, DOI:10.5194/acp-14-1733-2014.

37. Loza, C.L., Craven, J.S., Yee, L.D., **Coggon, M.M.**, Schwantes, R.H., Shiraiwa, M., Zhang, X., Schilling, K.A., Ng, N.L., Canagaratna, M.R., Ziemann, P.J., Flagan, R.C., Seinfeld, J.H. (2013). Secondary organic aerosol yields of 12-carbon alkanes. *Atmos. Chem. Phys.*, 13, 20,677–20,727. DOI: 10.5194/acpd-13-20677-2013
38. Loza, C.L., **Coggon, M.M.**, Nguyen, T.B., Zuend, A., Flagan, R.C., Seinfeld, J.H. (2013). On the mixing and evaporation of secondary organic aerosol components. *Environ. Sci. Technol.* 47 (12), 6,173–6,180. DOI: 10.1021/es400979k
39. *Nguyen, T., **Coggon, M.M.**, Flagan, R.C., Seinfeld, J.H. (2013). Reactive uptake and photo-Fenton oxidation of glycolaldehyde in aerosol liquid water. *Environ. Sci. Technol.* 47 (9) , 4,307–4,316. DOI: 10.1021/es400538j
40. Yee, L.D., Kautzman, K.E., Loza, C.L., Schilling, K.A., **Coggon, M.M.**, Chhabra, P.S., Chan, M.N., Chan, A.W.H., Hersey, S.P., Crounse, J.D., Wennberg, P.O., Flagan, R.C., and Seinfeld, J.H. (2013). Secondary organic aerosol formation from biomass burning intermediates: phenol and methoxyphenols. *Atmos. Chem. Phys.*, 13, 8019-8043. DOI: 10.5194/acp-13-8019-2013
41. Wonaschutz, A. , **Coggon, M.M.**, Sorooshian, A., Modini, R., Frossard, A., Ahlm, L., Mulmenstadt, J., Roberts G. C., Russell, L.M., Dey, S., Brechtel, F.J., Seinfeld, J.H. (2013). Hygroscopic properties of organic aerosol particles emitted in the marine atmosphere. *Atmos. Chem. Phys.* 13, 11,919–11,969. DOI:10.5194/acpd-13-11919-2013
42. Sorooshian, A., Wang, Z., **Coggon, M.M.**, Hafidi, J., Erven, B. (2013). Observations of Sharp Oxalate Reductions in Stratocumulus Clouds at Variable Altitudes: Organic Acid and Metal Measurements During the 2011 E-PEACE Campaign. *Environ. Sci. Technol.* 47, 14, 7,747–7,756. DOI: 10.1021/es4012383.
43. Metcalf, A.R., Loza, C.L., **Coggon, M.M.**, Craven, J.S., Jonsson, H.H., Flagan, R.C., Seinfeld, J.H. (2012). Secondary Organic Aerosol Coating Formation and Evaporation: Chamber Studies Using Black Carbon Seed Aerosol and the Single-Particle Soot Photometer. *Aerosol Sci. Technol.*, 47, 3, 326–347. DOI: 10.1080/02786826.2012.750712.
44. Russell, L.M., Sorooshian, A., Seinfeld, J.H., Albrecht, B.A., Nenes, A., Ahlm, L., Chen, Y.C., **Coggon, M.**, Craven, J.S., Flagan, R.C., Frossard, A.A., Jonsson, H., Jung, E., Lin, J.J., Metcalf, .R., Modini, R., Mulmenstadt, J., Roberts, G.C., Shingler, T., Song, S., Wang, Z., Wonaschutz, A. (2012) Eastern Pacific Emitted Aerosol Cloud Experiment (E-PEACE), *Bull. Amer. Met. Soc.*, 94, 709–729. DOI: 10.1175/BAMS-D-12-00015.1.
45. Shingler, T., Dey, S., Sorooshian, A., Brechtel, F.J., Wang, Z., Metcalf, A., **Coggon, M.M.**, Mulmenstadt, J., Russell, L.M., Jonsson, H.H., Seinfeld, J.H. (2012). Characterization and airborne deployment of a new counterflow virtual impactor inlet. *Atmos. Meas. Tech.*, 5 (6), 1,259–1,269. DOI:10.5194/amt-5-1259-2012.
46. **Coggon, M.M.**, Sorooshian, A., Wang, Z., Metcalf, A.R., Frossard, A.A., Lin, J.J., Craven, J.S., Nenes, A., Jonsson, H.H., Russell, L.M., Flagan, R.C., Seinfeld, J.H. (2012). Ship impacts on the marine atmosphere: insights into the contribution of ship emissions to the properties of marine aerosol and clouds. *Atmos. Chem. Phys.*, 12, 8,439–8,458. DOI:10.5194/acp-12-8439-2012
47. **Coggon, M.M.**, Becerra, C.A., Nusslein, K., Miller, K., Yuretich, R, and Ergas, S. J. (2012) Bioavailability of jarosite for stimulating acid mine drainage attenuation. *Geochimica et Cosmochimica Acta*, 78, 65–76. DOI: 10.1016/j.gca.2011.11.030

* Indicates co-first authorship

Book Chapters

1. Schwantes, R.A., McVay, R.C., Zhang, X., **Coggon, M.M.**, Lignell, H., Flagan, R.C., Wennberg, P.O., Seinfeld, J.H. **Advances in Atmospheric Chemistry**, Chapter 1: Science of the Environmental

Chamber. Singapore: World Scientific Publishing Co, 2017.

Presentations

1. **Coggon, M.M.**. Deodorant, Cleaning Products, and the Virtue of Smelling Bad: Investigations into Emerging Sources of Air Pollution From Consumer Chemical Products. National Center for Atmospheric Research, Boulder, CO, April, 2018.
2. **Coggon, M.M.**. Deodorant, Cleaning Products, and the Virtue of Smelling Bad: Investigations into Emerging Sources of Air Pollution From Consumer Chemical Products. Department of Atmospheric Sciences, University of Wyoming, Laramie, WY, April, 2018.
3. **Coggon, M.M.**, Koss, A., Sekimoto, K., Yuan, B., Lim, C., Hagan, D., Kroll, J., Cappa, C., Jathar, S., Muller, M., Wisthaler, A., Gilman, J., Lerner, B., Jimenez, J., Yokelson, R., Roberts, J., de Gouw, J., Warneke, C.. OH oxidation of laboratory biomass burning VOCs during hte 2016 FIREX FireLab campaign: measurements from a PTR-ToF-MS. American Geophysical Union - Annual Conference, New Orleans, LA, December, 2017.
4. **Coggon, M.M.**, Veres, P., Yuan, B., Koss, A.R., Warneke, C., Gilman, J.B., de Gouw, J.A. Then and now: A look at urban air pollution sources emerging in the age of cleaner cars. School of Mines Civil and Environmental Engineering Seminar, Colorado School of Mines, Golden, CO, March ,2017
5. **Coggon, M.M.**, Veres, P., Yuan, B., Koss, A.R., Warneke, C., Gilman, J.B., Lerner, B., Peischl, J., Aikin, K., Stockwell, C., Hatch, L., Ryerson, T., Roberts, J., Yokelson, R.J., de Gouw, J.A. Investigating Impacts of Human Emissions on Air Quality in Colorado. International Global Atmospheric Chemistry Conference, Breckenridge, CO, September, 2016.
6. **Coggon, M.M.**, Veres, P., Yuan, B., Koss, A.R., McDuffie, E., Gilman, J.B., Lerner, B., Warneke, C., de Gouw, J.A. Investigating Impacts of Human Emissions on Air Quality in Colorado. Colorado Environmental Health Association Annual Education Conference, Breckenridge, CO, September, 2016.
7. **Coggon, M.M.**, Lignell, H., Nguyen, T.B., Schwantes, R.H., Schilling, K., Zhang, X., Sorooshian, A., Craven, J., Metcalf, A., Flagan, R.C., Seinfeld, J.H. Laboratory observations of heterogeneous aerosol processes. AirUCI Seminar, University of California, Irvine, CA, March, 2015.
8. **Coggon, M.M.**, Sorooshian, A., Wang, Z., Craven, J.S., Metcalf, A.R., Lin, J.J., Nenes, A., Jonsson, H., Flagan, R.C., Seinfeld, J.H. Observations of Terrestrial Biogenic and Biomass Burning Aerosol Impacts on Marine Stratocumulus off the Coast of California. American Geophysical Union - Annual Conference, San Francisco, CA, December, 2014.
9. **Coggon, M.M.**, Seinfeld, J.H. Differentiating between natural and anthropogenic pollution in the marine atmosphere. ESE & Society Seminar, California Institute of Technology, 2014.
10. **Coggon, M.M.**, Sorooshian, A., Wang, Z., Shingler, T., Metcalf, A.R., Frossard, A.A., Lin, J.J., Craven, J.S., Nenes, A., Jonsson, H.H., Russell, L.M., Flagan, R.C., Seinfeld, J.H. Ship Impacts on Marine Aerosol and Clouds. American Association of Aerosol Research - Annual Conference, Minneapolis, MN, October, 2012.
11. **Coggon, M.**, Becerra, C.A., Miller, K., Nusslein, K., Ergas, S.J. Bioavailability of Jarosite as an Electron Acceptor in Acid Mine Drainage. Institute of Biological Engineering - 15th Annual Conference, Cambridge, MA, April, 2010.
12. **Coggon, M.**, Becerra, C.A., Miller, K., Nusslein, K., Ergas, S.J. Bioavailability of Jarosite as an Electron Acceptor in Acid Mine Drainage. Department of Civil and Environmental Engineering Seminar, University of South Florida, December, 2010.